## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref # | Hits   | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|-------|--------|--|--|---------------------|---------|---------------------|
| L1    | 6244   | 523/218 or 527/301<br>or 521/111 or<br>521/170 or 428/36.9<br>or 428/36.91 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | OFF     | 2010/08/13<br>13:19 |
| L2    | 59     | syntactic adj<br>polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2010/08/13<br>13:19 |
| L3    | 201    | syntactic near5<br>polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2010/08/13<br>13:19 |
| L4    | 22     | L1 and (L2 or L3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:19 |
| L5    | 35756  | polyether near5<br>polyol  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:19 |
| L6    | 87611  | castor adj oil   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:19 |
| L7    | 118695 | L5 or L6   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:19 |
| L8    | 7      | L4 and L7  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:19 |
| L9    | 1      | L8 and pipe  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | OFF     | 2010/08/13<br>13:19 |
| L10   | 4672   | L5 and L6  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:20 |
| L11   | 0      | I4 and I10   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2010/08/13<br>13:21 |

| L12 | 59   | I2 or I3 and I10 and pipe  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:21 |
|-----|------|--|--|-----|-----|---------------------|
| L13 | 2    | (I2 or I3) and I10 and<br>pipe   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:27 |
| L14 | 9016 | 523/218 or 527/301<br>or 521/111 or<br>521/170 or 428/36.9<br>or 428/36.91 or 427/2      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/08/13<br>13:42 |
| L15 | 7019 | 523/218 or 527/301<br>or 521/111 or<br>521/170 or 428/36.9<br>or 428/36.91 or<br>427/425 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/08/13<br>13:42 |
| L16 | 1396 | l15 and pipe   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/08/13<br>13:43 |
| L17 | 26   | 116 and 16   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/08/13<br>13:43 |
| L18 | 59   | syntactic adj<br>polyurethane  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:44 |
| L19 | 59   | syntactic adj<br>polyurethane  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:44 |
| L20 | 0    | (syntactic adj<br>polyurethane).clms.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:45 |
| L21 | 0    | polyurethane.clms.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:45 |
| L22 | 9    | (syntactic adj<br>polyurethane).clm.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:45 |
| L23 | 5801 | (castor adj oil).clm.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:47 |

| L24 | 1       | 122 and 123  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:47 |
|-----|---------|--|--|-----|-----|---------------------|
| L25 | 5124    | 428/36.9 or<br>428/36.91 or 427/425  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:49 |
| L26 | 217     | l25 and ((polyether).<br>clm.)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:49 |
| L27 | 1       | 126 and 123  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>13:49 |
| S1  | 5341    | 523/218 or 527/301<br>or 521/111 or<br>521/170 or 428/36.9<br>or 428/36.91 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/15<br>10:25 |
| S2  | 3577869 | pipe or tube or<br>conduit   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:25 |
| S4  | 54      | syntactic adj<br>polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:26 |
| S5  | 11      | syntatic with polyurethane   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:27 |
| S6  | 240     | syntactic with polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:27 |
| S7  | 69      | syntactic near<br>polyurethane   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:27 |
| S8  | 181     | syntactic near5<br>polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:27 |
| S9  | 8       | S1 and S4  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:27 |
| S10 | 3       | "6387477"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:57 |
| S11 | 4       | "6387447"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>10:57 |
| S12 | 12      | "5621043"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/05/15<br>11:00 |

| S13 | 14      | "5688860"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/15<br>11:02 |
|-----|---------|--|--|-----|-----|---------------------|
| S14 | 3577869 | pipe or tube or<br>conduit   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/15<br>15:29 |
| S15 | 240     | syntactic with polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/15<br>15:29 |
| S16 | 117     | S15 and S14  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/15<br>15:29 |
| S17 | 7       | S16 and castor   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/15<br>15:46 |
| S18 | 64628   | microsphere or<br>microbead or<br>microball                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:09 |
| S19 | 4081    | S18 near hollow  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:09 |
| S20 | 88779   | polyisocyanate   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:09 |
| S21 | 179448  | polyol   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:09 |
| S22 | 59116   | castor near oil  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:09 |
| S23 | 80      | S19 and S20 and S21<br>and S22   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:10 |
| S24 | 30      | S23 and (pipe or tube or rod)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/16<br>16:10 |
| S25 | 5592    | 523/218 or 527/301<br>or 521/111 or<br>521/170 or 428/36.9<br>or 428/36.91 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2009/02/12<br>09:03 |
| S26 | 5592    | S25  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2009/02/12<br>09:03 |
| S27 | 3768345 | pipe or tube or<br>conduit   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2009/02/12<br>09:08 |
| S28 | 2912    | S26 and S27  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2009/02/12<br>09:08 |

| S29 | 62389 | castor adj oil                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:08 |
|-----|-------|---|--|-----|-----|---------------------|
| S30 | 20529 | pbw   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:08 |
| S31 | 535   | S29 and S30                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:08 |
| S32 | 78    | S29 same S30                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:08 |
| S33 | 0     | S32 and S28                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:08 |
| S34 | 32246 | offshore or (off adj<br>shore)              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:09 |
| S35 | 4405  | S34 same pipe                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:10 |
| S36 | 188   | syntactic near5<br>polyurethane             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2009/02/12<br>09:10 |
| S37 | 0     | S36 and S32                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:10 |
| S38 | 70691 | microsphere or<br>microbead or<br>microball | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2009/02/12<br>09:11 |
| S39 | 4073  | S38 and S29                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:11 |
| S40 | 140   | pipe and S39                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:11 |
| S41 | 8394  | hydrolytic near10<br>stability              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:14 |
| S42 | 23    | S41 and S34                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2009/02/12<br>09:14 |
| S43 | 5     | "5688860" and castor<br>polyurethane        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/04/14<br>16:49 |

| S44 | 4       | S43 and polyether   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2010/04/14<br>16:53 |
|-----|---------|---|--|-----|-----|---------------------|
| S45 | 13      | "6334710"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>12:09 |
| S46 | 103382  | overshore or<br>underwater or (under<br>adj water) or<br>undersea or (under<br>adj sea) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:46 |
| S47 | 8515    | S46 same pipe   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:47 |
| S48 | 18155   | S46 and pipe  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:47 |
| S49 | 18      | S47 and (castor adj<br>oil)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:47 |
| S50 | 428634  | polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:48 |
| S51 | 10      | S49 and S50   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:48 |
| S52 | 794     | S48 and S50   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>16:54 |
| S53 | 70278   | castor adj oil  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>17:04 |
| S54 | 29      | S52 and S53   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/15<br>17:04 |
| S55 | 84340   | polyisocyanate  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/20<br>11:21 |
| S56 | 2398    | polyetherpolyol or<br>(polyethere same<br>polyol)                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/20<br>11:22 |
| S57 | 1780204 | oil   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/20<br>11:22 |
| S58 | 372     | S55 and S56 and S57   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2010/04/20<br>11:22 |

| S59 | 25    | S58 and pipe   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>11:22 |
|-----|-------|--|--|-----|-----|---------------------|
| S60 | 22    | "598108"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>11:24 |
| S61 | 2     | "6955778"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:02 |
| S62 | 0     | S61 and castor   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:02 |
| S63 | 0     | S61 and oil  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:02 |
| S64 | 25    | "6000438"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:03 |
| S65 | 20    | S64 and (oil or castor)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:03 |
| S66 | 70353 | castor adj oil   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:07 |
| S67 | 84340 | polyisocyanate   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:08 |
| S68 | 5686  | S67 and S66  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:08 |
| S69 | 1150  | S68 and (pipe or tube)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:08 |
| S70 | 947   | S69 and polyol   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/04/20<br>14:08 |
| S71 | 6244  | 523/218 or 527/301<br>or 521/111 or<br>521/170 or 428/36.9<br>or 428/36.91 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2010/08/13<br>11:39 |
| S72 | 59    | syntactic adj<br>polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>11:39 |
| S73 | 201   | syntactic near5<br>polyurethane  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2010/08/13<br>11:39 |

| S74 | 22     | S71 and (S72 or S73)      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/08/13<br>11:39 |
|-----|--------|---------------------------|--|-----|----|---------------------|
| S75 | 35756  | polyether near5<br>polyol | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/08/13<br>11:57 |
| S76 | 87611  | castor adj oil            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/08/13<br>11:57 |
| S77 | 118695 | S75 or S76                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/08/13<br>11:57 |
| S78 | 7      | S74 and S77               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/08/13<br>11:57 |

## 8/13/2010 2:01:35 PM

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